

## EAST Search History

| Ref # | Hits | Search Query   | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|------|--|---|------------------|---------|------------------|
| S1    | 2    | "20050058462".pn.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2006/09/28 09:01 |
| S2    | 10   | ((("5677786") or ("6118563") or ("6134033") or ("6341026") or ("6366376"))).PN.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/09/27 18:17 |
| S3    | 4    | (suppression or reduc\$ or eliminat\$) and four wave mixing and stretcher and compressor and (optical or fiber) communication      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2006/09/28 13:20 |
| S4    | 15   | ((suppression or reduc\$ or eliminat\$) with (four wave mixing)) and stretch\$ and compress\$ and (optical or fiber) communication | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2006/09/28 09:24 |
| S7    | 54   | ((suppression or reduc\$ or eliminat\$) with (four wave mixing)) and (pulse near5 (stretch\$ or broaden\$ or expand\$))            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2006/09/28 13:21 |
| S8    | 0    | (Optical Linear Repeater System).ti.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2006/09/28 10:48 |
| S9    | 1    | Optical Linear Repeater System   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2006/09/28 10:50 |
| S10   | 2    | 10-135337  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2006/09/28 11:20 |
| S11   | 3    | "10135337"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2006/09/28 10:51 |

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|     |     |  |   |     |     |                  |
|-----|-----|--|---|-----|-----|------------------|
| S12 | 2   | ("5572355").PN.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2006/09/28 11:25 |
| S13 | 2   | ("6920263").PN.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2006/09/28 11:26 |
| S14 | 1   | "6920263".pn. and four-wave mixing   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2006/09/28 11:26 |
| S15 | 109 | ((suppress\$ or reduc\$ or eliminat\$) with ((four wave mixing) or FWM)) and (pulse near5 (stretch\$ or broaden\$ or expand\$ or extend\$)) and optic\$                              | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2006/09/28 17:47 |
| S16 | 54  | ((suppression or reduc\$ or eliminat\$) with (four wave mixing)) and (pulse near5 (stretch\$ or broaden\$ or expand\$))  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2006/09/28 13:23 |
| S17 | 55  | S15 not S16  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2006/09/28 14:57 |
| S18 | 6   | ((("5,185,827") or ("5,261,016") or ("5,361,319"))).PN.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2006/09/28 14:57 |
| S19 | 283 | ((suppress\$ or reduc\$ or eliminat\$) with (nonlinearity or non linearity or nonliar or non linear)) and (pulse near5 (stretch\$ or broaden\$ or expand\$ or extend\$)) and optic\$ | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2006/09/29 11:22 |
| S20 | 231 | S19 and fiber  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2006/09/28 17:49 |
| S21 | 231 | S19 and (fiber or fibre)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2006/09/28 17:49 |

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|     |     |   |   |     |     |                  |
|-----|-----|---|---|-----|-----|------------------|
| S22 | 105 | S21 and transmitter   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2006/09/28 17:50 |
| S23 | 198 | S21 and transmit\$  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2006/09/28 17:51 |
| S24 | 139 | S23 and channel   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2006/09/28 17:57 |
| S25 | 109 | ((suppress\$ or reduc\$ or eliminat\$)<br>with ((four wave mixing) or FWM))<br>and (pulse near5 (stretch\$ or<br>broaden\$ or expand\$ or extend\$))<br>and optic\$ | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2006/09/29 11:02 |
| S26 | 97  | S24 not S25   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2006/09/28 19:12 |
| S27 | 4   | ((("5327516") or ("6690886"))).PN.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2006/09/29 08:50 |
| S29 | 2   | ("20050259706").PN.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2006/09/29 10:39 |
| S30 | 12  | ((("6141129") or ("6812650") or<br>("20040164938") or<br>("20040174388") or<br>("20040201582"))).PN.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2006/09/29 10:45 |
| S31 | 12  | "6014479"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2006/09/29 10:45 |

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|     |     |  |   |     |     |                  |
|-----|-----|--|---|-----|-----|------------------|
| S32 | 24  | ("4261639"   "5035481"   "5191631"   "5218662"   "5261016"   "5430882"   "5473719"   "5524144"   "5532868"   "5546210"   "5559920"   "5596448"   "5608562"   "5636046"   "5642215").PN. OR ("6014479").URPN.       | US-PGPUB;<br>USPAT;<br>USOCR                            | ADJ | ON  | 2006/09/29 10:46 |
| S33 | 109 | ((suppress\$ or reduc\$ or eliminat\$) with ((four wave mixing) or FWM)) and (pulse near5 (stretch\$ or broaden\$ or expand\$ or extend\$)) and optic\$  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2006/10/02 10:27 |
| S34 | 53  | ((suppress\$ or reduc\$ or eliminat\$) with ((four wave mixing) or FWM)) and (pulse near5 (spread\$)) and optic\$  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2006/09/29 11:25 |
| S35 | 0   | ((suppress\$ or reduc\$ or eliminat\$) with (nonlinearity or non linearity or nonliar or non linear)) and (pulse near5 (stretch\$ or broaden\$ or expand\$ or extend\$ or spread\$)) and optic\$ and "5361319".pn. | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2006/09/29 11:24 |
| S36 | 0   | ((four wave mixing) or FWM) and "5361319".pn.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2006/09/29 11:26 |
| S37 | 0   | (nonlinearity or non linearity or nonliar or non linear) and "5361319".pn.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2006/09/29 11:26 |
| S38 | 50  | ((suppress\$ or reduc\$ or eliminat\$) with ((four wave mixing) or FWM)) and (pulse near5 (stretch\$ or broaden\$ or expand\$ or extend\$ or spread\$)) and optic\$ and (chirping or chirp or chirped)             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2006/10/02 12:58 |
| S39 | 2   | "6690886".pn.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2006/10/02 12:58 |
| S40 | 2   | ("6137604").PN.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2006/10/05 16:34 |

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|     |      |   |   |     |     |                  |
|-----|------|---|---|-----|-----|------------------|
| S41 | 16   | wdm and (return to zero or RZ) and modulat\$ and fiber and (multiplexer or combiner) and dispersion compensation and demultiplexer and receiver and detector and FEC and chirp\$3 and transmitter   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2006/10/05 16:38 |
| S42 | 2    | ("6731877").PN.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2006/10/05 17:38 |
| S43 | 21   | ("20020039217"   "20030011839"   "4558921"   "4700339"   "5035481"   "5504609"   "5710649"   "6341023"   "6377375"   "6433904"   "6452707"   "6459515"   "6486466").PN. OR ("6731877").URPN.        | US-PGPUB;<br>USPAT;<br>USOCR                            | ADJ | ON  | 2006/10/05 17:59 |
| S44 | 2    | "20030198448".pn.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2006/10/10 09:50 |
| S45 | 2125 | (398/53 398/91 or 398/184 or 398/189 or 398/1 or 398/147 or 398/98 or 385/123 or 385/24 or 359/124).ccls. and (four-wave mixing or FWM or nonlinear or non linear or nonlinearity or non linearity) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2006/10/10 10:31 |
| S46 | 562  | (398/53 398/91 or 398/184 or 398/189 or 398/1 or 398/147 or 398/98 or 385/123 or 385/24 or 359/124).ccls. and (four-wave mixing or FWM)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2006/10/10 10:31 |
| S47 | 503  | S46 and dispersion  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2006/10/10 10:32 |
| S48 | 129  | S47 and (pulse near5 (stretch\$ or spread\$ or broaden\$))  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2006/10/10 10:33 |